Contents

Education and Training Stem

Education and Training Stem Overview
Russel Hirst 3

Winning Interaction: Foregrounding the Customer in Technical Proposals
R. Breck England 4

The Technical Writing Machine:
A Model for Teaching Writers How to Develop Troubleshooting Procedures
Thomas F. Moran 7

Writing Across the Chemistry Curriculum
Jeffrey Kovac and Donna Walter Sherwood 11

Redefining Curriculum and Research Initiatives:
The Human Computer Interaction Certificate Program, A Year Later
David F. Hans, Roger A. Grice, Robert Krull, and Edward J. See 14

Using Internet-based Assignments to Model Workplace Communication
Susan Burris 16

The Virtual Working Environment: A Challenge for Both Educators and Students
Beth A. Williams 18

Rating Classroom Presentations: Does Prior Acquaintance Matter?
Freda F. Stohrer, James R. Van Scotter, Guy S. Shane, and Jennifer R. Burnett 19

Teaching Students to Design Information About "Difficult" Subjects:
Public Information About Pediatric AIDS
Lynnette R. Porter 23

Let the User Write the Documentation
Diane J. Doyle and Janet M. Samuelson 27

Analysis of Virtual Classroom Environments:
Survey of Classroom Dynamics in RSVP Courses
Kirsten Brunner, Roger A. Grice, David F. Hans, Teresa L. Hood, and Leo J. Smith 30

Incorporating Human-Computer Interface (HCI) Technology Into the Technical Writer's Role
Joanne Oakley 33

Using HCI Skills to Create Online Message Help
Carol A. Wagner 35

Café, thé Ou Lait?: How Shall We Train Technical Communicators to Translate?
Bruce A.R. Maylath and Emily A. Thrush 36

Recreating the Technical-Writing Classroom on the World Wide Web
David A. McMurrey 40

Identifying Obstacles for New Writers in Industry
Julie A. Seton 44

Crossing Disciplinary Borders
Nancy J. Allen 45

Integrating New Technology into Technical Communication Curricula
Jennifer Campbell 46

This Is Not Your Father's Education
Carolyn Boiarsky 49

Opening the Door to Cyberspace: Teaching Web Page Construction in the Classroom
Steven M. Gerson and Sharon J. Gerson 53

Interact to Produce Better Technical Communicators: Academia and Industry
Thea Teich, Janice C. Redish, and Kenneth T. Rainey 57

Teaching Corporate Communication Skills Through an Industry-Based International M.B.A. Program
Patricia E. Connors 61

Developing a Successful, Low Maintenance Internship Program
Lynette L. Smirnov 62

Learning from Our Students: Insights from Internships
Marguerite Krupp 66

Student Internships in Technical Communication
Earl E. McDowell 70

Teaching Technology: Immersing Students in a High Tech Environment
Sandra W. Harner, Donald M. Humphreys, and Philip Wittmer 72

Lessons from Environmental Communication
Craig Waddell 73

College Curriculum and the Assessment of Recent Graduates
Jack W. Jobst 74

Demanding of Our Students, Demanding of Ourselves
Karla Saari Kitalong and Wiliam J. Williamson, Jr. 76

Preparing Communicators for Contemporary Challenges: Organizational Communication in the STC Curricula
Patricia Sotirin 77

Interacting with Engineering and Industry, Using Instructional Technologies in Technical Communication Education
Marjorie T. Davis, Helen M. Grady, and David C. Leonard 78

How to Develop and Implement a Usable Training Database
Donald S. LeVie, Jr. 80

Determining the Right Training and Documentation Solution
Ann Rockley and Hilary Shirley 84

A Curriculum for a Corporate Technical Writing Department: Providing Cost-Effective, Ongoing, Quality Training
Gloria M.D. Gyure 88

Management Stem

Management Stem Overview
Susan M. Jensen 95

Benchmarking the Document Management Process
Roy Edwards, James D. McGuire, and Shirley A. Hancock 96

Strategic Planning for Information Development Organizations
Charles L. Breuninger 100

Comparing Apples to Apples: An Interviewing Process and Strategy
Jane Sharp and Gloria M.D. Gyure 101

The Client-Consultant Link
Joyce F. Woods, Nancee E. Moster, and Karen Steele 102

Create Your Consultant Image!
Joyce F. Woods 103

SmartStart Guides
Nancee Moster 104

Managing Client Relationships
Karen A. Steele 105

Managing Career Enrichment for Technical Writers
Arlene J. Krasner 106

Estimating Scope and Schedule for a Help Project
Mary M. Deaton 108

What DOES a Manager Do Anyway?
Mary K. Coffee, Jean M. Jahnke, and Sarah C. Yeo 109

Lost in Translation?
Robert Sellin and Elaine Winters 110

Tools and Models for Managing Projects
Jim Bierbower and Kate Hayden 111

Short and Sweet: Better Cookie Cutter Proposals
Annette D. Reilly 112

Proposal Production: Creating Calm Amid the Chaos
Richard P. Wilson 114

Proposals 101:
A Comprehensive Introduction to the Writing and Management of Bids and Proposals
Teri L. Wilkins 117

Telecommuting: Facing Reality in the Virtual Office
Bonnie J. Davis 121

Learning From Your Past
Dawn M. Stevens 125

What It Takes to Document America's Best-Selling Tax Software
Mark A. Johnson and Karen Cangialosi 127

Forging Effective Partnerships with Clients
Elinor L. Knodel 130

Effective Project Planning
Lauren Y. Hansen 131

Assessing Publications Process-Maturity:
The Experiences of Two Organizations at Different Levels of Process Maturity
JoAnn T. Hackos, Lisa Blaschke, Brenda MacKay, and Deborah J. Rosenquist 135

Developing Interface Standards: Compliance From a Corporate Perspective
Sondra K. Davis 136

Managing a Large Web Page Project
Debra Ricks 139

Multimedia Communication Stem

Multimedia Communication Stem Overview
Donna J. Burrer 145

Seeing is Believing: Communicating Information Graphically
Beth Conney Lisberg 146

12 Months in the Life of a Web Site
Sarah C. Yeo and Phil Block 147

Standards for Visuals for Online Help: Selected Examples
Connie "C.J." Bibus and Kristy J. Dale 148

Computer-Based Training that Really Communicates
Michael F. Warlum 150

VRML: Three Dimensions for the World Wide Web
Andrea L. Ames 151

Making Your First Video: A Case Study
Jane E. Medved 152

Online Reference: The Ultimate in User-Friendly Documentation
Verna Richardson 156

Building Your Home on the World Wide Web: Researching, Designing and Maintaining a Web Page
Russell L. Kahn 158

Vision 2000: Multimedia Electronic Performance Support Systems
Mary Myers Cantando 162

Visual Literacy Crash Course
William K. Horton 166

Web Graphics — From the Tried and True to the New
Elaine F. Randolph, Jeffrey A. Randolph, and Mark H. Bloom 167

Professional Development Stem

Professional Development Stem Overview
Tony Caruso 171

Shameless Self Promotion: A Guide to Building a Small Business
Mary M. Deaton 172

Fanning the Creative Spark
Judy Fort Brenneman 173

Weathering Transition: New Kid on the Block
Mary Jo Stark 174

Weathering Transition: Is the Grass Really Greener?
Martha K. Sippel 175

Weathering Transition: What Skills Do You Really Need?
Dia H. Burroughs 176

Golden Hits of STC Conferences . . . A Potpourri of Titillating Technical Communication Tidbits
Daniel W. Voss 177

Avoiding the Pitfalls of Independent Contracting
Gem Smith 178

Our Changing Environment — Alternative Work Schedules
Debra Ricks 179

Telecommuting Perspectives: Home Sweet Office?
Mildred E. McGuire, James M. Moran, Lee Anne Center, Mary K. Tetreau, and Tina M. McGuire 182

A Newsletter Competition Where Everyone Wins
Andrea L. Ames and Cheryl Disch 184

How to Make Yourself More Marketable in a Small Company
Peter M. Holman, Susan Gonzalez, and Jennifer Privette 185

Peer Review: The Key to Quality in Scientific Communication
Jeffrey L. Hibbard, Lottie B. Applewhite, and David L. Armbruster 188

Rightsizing Your Resume
Tracey C. Chiricosta, Charles D. Fisher, Jr., and Alice Alspach Jones 189

1997 Trends Forum
JoAnn T. Hackos 190

Successful Telecommuting
Flo Wolfe Sharp 191

From Information Worker to Knowledge Worker: Emerging Technologies, Trends, and Skills Sets
Ross Squire 192

STC Quality PIC Progression
Lori H. Fisher, Donald S., Lenk, Jr., Ted Dennison, David Robbins, Richard D. Colvin, Connie "C.J." Bibus, and Ralph E. Robinson 194

How In-Process Measures Can Help You Manage Quality
Lori H. Fisher 195

Management vs. Leadership
Daniel L. Fay 200

Using Wellness Assessment in Career Planning
Lori A. Stertzbach and Sharlyn A. Dimick 202

Tools to Trade: Transfer Your Skills to Develop Professional Presentations
Kent S. Pearson 204

Professional Development Issues in Canada
John E. McFadden 208

From Technical Writer to Book Author
Sonya E. Keene 209

INTECOM Present and Future
Jeffrey L. Hibbard 212

Shades of Gray: Using Value Analysis and Ten Core Values to Resolve Ethical Conflicts in Technical Communication
Daniel W. Voss and Lori A. Allen 213

Learn Public Relations Skills Through STC's Chapter Competition
Ann Blankinship 214

Chapter Public Relations: Learn from the Winners
Margaret Carbaugh King 215

Increasing Chapter Membership Through Public Relations
Sandra J. Giles 216

Changing the Way the Profession Communicates: A Workshop for Prospective Journal Authors
George F. Hayhoe 217

That's Not In My Job Description!
Elizabeth Walker Smith 218

Going Hollywood: Trends in the World of Work
Peg A. Cheirrett 222

Theory and Research Stem

Theory and Research Stem Overview
Leanne Logan 229

Applying Research to Practice: Helping Users Find What They Need
Janice C. Redish 230

Web-Based Prototyping for User Sessions: Medium-Fidelity Prototyping
Paul Leone, Dana L. Gillihan, and Thyra L. Rauch 231

Document Design: A Brief Primer
Melanie G. Flanders 235

Gathering Input for the Best Possible Prototype
Karen L. Mobley 239

Mental Processing of Online Documentation — From Concepts to Applications
Elinor L. Knodel, Henrietta N. Shirk, Candace Soderston, and James Thibeau 241

How to Consume Research Effectively: You Are What You Eat
Susan D. Kleimann and Kenneth D. Keiser 245

Usability — The Basics and Beyond
Julia C. Stovall 246

Better Products Through Collaboration: Technical Communicators and Usability Professionals Working Together
Thyra L. Rauch 247

The Key for Effective Documentation: Answer the User's Real Question
Michael J. Albers 248

Where is the Instruction in Online Help? — Designing it Right the First Time
Jean A. Pratt 252

Low-Fidelity Prototyping for Technical Communicators
Thyra L. Rauch, Dana L. Gillihan, and Paul Leone 256

Marshall McLuhan's Message for Multimedia
Henrietta Nickels Shirk 260

Quality and Usability in Indexes
Lori M. Lathrop, Peg Mauer, and L. Pilar Wyman 264

Shaping the Future of Technical Communication: Improving the Marriage Between Academia and Industry
Michael Carver 268

Web Wisdom from Sun
Meghan R. Ede, Martin Hardee, and Laurie A. Roshak 272

Performance, Education, and Experience Factors as Predictors of Writing Ability
David K. Vaughan and Darrin E. Farr 273

Assessing the Value Added by In-House Technical Communication Courses
Ronald S. Blicq 275

Using Usability "Use Cases" in Documentation Planning
Mary Nurminen and Leena M. Rasinaho 279

Advanced Usability Topics
Stephanie L. Rosenbaum and Lori K. Anschuetz 280

Using the World Wide Web in Your Company's Own Little World
Karen L. Mobley and Julia C. Stovall 284

Customer Partnering: Another Way to Gather User Data
Arthur G. Elser 286

Is Online "Inline" with Your Users' Needs?
Kurt A. Kroeber and David L. Kelley 289

Faster Factfinding With Digital Libraries?
Mark R. Barnett 291

Lessons Learned from Usability Testing Web Pages
Janice C. Redish, Janet R. Borggren, Meghan R. Ede, and Laurie A. Roshak 293

Building Documentation Into the Interface: A Cognitive Theory
Whitney Quesenbery 295

Designing and Testing Customer Satisfaction Surveys on WWW Sites
Susan G. Feinberg and Peter Y. Johnson 298

Strategies for Building Web Pages — Understanding the Roles of Culture, History, and Language in Web Page Design
Barbara G. Bartholomew 302

Help! Six Fixes to Improve the Usability of Your Online Help
Donna Timpone 306

A Comparative Analysis of Heuristic and Usability Evaluation Methods
Elizabeth J. Simeral and Russell J. Branaghan 307

Usability Testing Your Documentation's Content
Sandra Chinoporos and Mary Beth Butler 310

Reality Bytes — What the Information Superhighway Won't Deliver
Rea Etta M. Dahm 314

Page Layout and Sample Designs in Full Color Manuals for Japanese Users
Rieko Mizukami 315

Tricks for Teaching Old Dogs New Tools: Training Users in a Reengineering Environment
Maria A. Flores 318

Human Factors for Web Page Design
Trish Billard 322

The Challenges of Technical Illustration for Customer Documentation in the High Tech Environment
Donna Lynn Moore 326

Developing an Information Strategy
Stewart J. Florsheim 329

Using the Web to Bring Space Science and Technology Down to Earth
Diane F. Miller 331

Tools and Technology Stem

Tools and Technology Stem Overview
Michael P. Bates 337

Improving Information Quality in Your Web Space: A Take Charge Approach
Richard D. Colvin 338

Retrofitting Paper-Based Documentation for Hypermedia Delivery
Stacey D. Hatley and Travis Williams 341

A Beginner's Guide to HTML
Whitney Quesenbery 342

HTML: Making the Move
Steven Radecki 343

Tools for Developing One Document for Both World Wide Web and Paper
Ken Jackson and Sonya E. Keene 347

What's All the Jive About Java?
Charles O. Beck 348

Building a Dynamic Web Site: Separating Data From Display
Daniel J. Murphy 349

Lies, Damned Lies, and Web Statistics
Beth Mazur 352

CPI Navigator: Building an Electronic Library on CD-ROM
Hary-Janos Bottka, Richard Wrye, and Allison Johnson 355

Understanding Java
Cynthia C. Currie 356

Integrating End-User Support Into New Software
Donna Timpone 360

Caught in the Web: An Intranet Adventure
Susan C. Cluff 361

Putting Graphics Online: Avoiding the Pitfalls
Charles Cooper and Ann Rockley 363

Document Analysis, Modelling, and Markup
Sharlyn A. Dimick and Lori A. Stertzbach 367

Delivering Training and Support Using Windows Help
Mary M. Deaton 369

Going Online: Selecting the Right Tool
Ann Rockley 370

Creating a Corporate Electronic Information Delivery Solution
Sharon Fingold 371

Information Delivery: Single Source Documentation for Multiple Delivery Mechanisms
Melanie G. Flanders and Nicole Y. Smart-Wycislo 375

Translating Hardcopy Documents to HTML Online Documents
Laurence Hoess 378

Managing Documentation: From Hard Copy to Repository
Michael V. Sharp and Beverly M. Bruns 382

A Process for Implementing Online Documentation and Online Help Using SGML
Omy Ronquillo and Jan Moorman 383

To HTML or Not: What Are the Questions?
Suzanne Gerrior, Marianne Rodrigues, Monica E. Stein, Frances C. McGill, and Stephen R. Blair 387

Running with "KEDS": Document Control in Lotus Notes
Ken Ries 391

Using the Internet/Intranet to Control Documentation Costs
Robert R. Sidman 392

Training Your Intranet's End-Users and Content-Providers
LaVonna F. Funkhouser 393

Taking Legacy Information to the Net
Raymond F. Dembek 394

On Beyond Help: Interface Design Paradigms for Online Documents
Whitney Quesenbery 395

Lessons Learned: Developing and Testing a Web Site
Theresa A. Wilkinson and Debora J. Malone 396

Building Hypermedia Information Systems That Work
Travis W. Williams and Stacey D. Hatley 397

HTML Help: Transition Without Fear
Twyla Beth Lambert and J. Suzanna Laurent 398

Maximizing Windows Help
Nicole Y. Smart-Wycislo and Patryce Moshay 399

Software Testing
Tracey C. Chiricosta, Charles D. Fisher, Jr., and Tom Witherspoon 400

Writing and Editing Stem

Writing and Editing Stem Overview
Joan A. Francuz and Jennifer A. Jackson 403

Editing Nonnative Writers and Speakers of English: Issues and Responsibilities
David L. Armbruster, Coralyn K. McGregor, and Otilia Sanchez 404

Manual Evaluation Workshop
Barbara B. Brogan 405

One Size Doesn't Fit All: Developing an Online Documentation Strategy to Meet User and Business Needs
Paul J. Borelli 406

101 Standards for Online Communication
Dawn M. Stevens 410

Find It Quickly: Creating Effective Indexes
Cheryl A. Landes 413

"Here, Just Stick this Document on the Web": Planning Usable Web Documents
William L. Collins, Elinor L. Knodel, and Michael V. Mahoney 414

Finding the Best Mix of Paper and Online Documentation: A Case Study
Chip Jones 417

Searching for the Best Mix of Paper and Online Documentation: Two Case Studies
Jack Massa 421

Editing and Revising With Flair
Mickey Wadia 425

Writing Shorter Manuals
Heather M. Sommerville 426

Editing Mathematics
Murrie W. Burgan 427

Distinguishing Characteristics of Medical Writing
Mary Zoll 429

Indexing Workshop
Freya Y. Winsberg 430

Transition To Process-Based Policies and Procedures
Jerri L. Houdayer 431

Placing Policies and Procedures Online — A Practical Approach
Donald Robert Kirtland 432

Online Documentation and Local Area Networks
Michelle E. Anderson 435

Web Weaving: Effectively Mapping and Designing a Web Site
Cheryl J. Smith 437

Secrets of Journalism Revealed!
Pamela S. Eckerv 441

The OOBE Project: A Case Study in User-Friendly Hardware Documentation
Karen A. Bergen 442

Hazard Communication 101 for Technical Writers
Michael D. Manning 446

Turbulent Times in Health Care: Creating a Flexible Document Management System
Carla A. Weiner and Michelle Loefer 450

Designing Information for the 21st Century
Steven Radecki 452

Using a Problem Focus to Quickly Aid Users in Trouble
Chris Hallgren 456

Planning an Electronic Performance Support System Project
Jean Hollis Weber 460

Balancing the Elements in Job Aid Design
John Houterman and Kristine E. Henriksen 462

Written Any Good Book Reviews Recently? The Chemistry of the Technical Book Review Process
Avon J. Murphy 463

How to Become a Value-Add Technical Communicator to Scientists, Engineers, and Technical Staff
Donald S. LeVie, Jr. 466

Obtaining Information Through Interviewing
Charlene J. Strickland 468

Developing a Company Style Guide
Janice Gelb and Jefferey J. Gardiner 469

Style Guide Revision: Message and Medium — A Case Study
Amy G. Phillips and Cathie Witker 473

Designing an Online Help System Before the Interface is Ready
Mary Anne Henselmann 475

Writer-Editor Interactions: What Works?
William L. Collins and Susan M.J. Lester 477

The Value of Prototypes in Your Documentation Development Process
Lauren Y. Hansen 479

Storyboard Tracking
Shirley P. Moore 482

A New Way to Talk: ComputerEase.common
Deborah Lewis Baxley 484

Post-Conference Workshops

Script Design for Information Film, Video, and Multimedia
S. Martin Shelton 487

Tackling ISO 9000 Documentation
Ralph E. Robinson 488

The Joy of Indexing: How to Make a Good Document Better
Gloria M.D. Gyure and Colleen S. Kelley 490

Preparing World-Ready Information Products
Nancy L. Hoft 491

Strategies in Technical Communication Research
Kenneth T. Rainey, Lottie B. Applewhite, Katherine E. Staples, Christopher F. Velotta, and Jan H. Spyridakis 492

Planning and Designing Multimedia
Ann Rockley 493

Implementing SGML in the Mainstream: The First Steps
Ray N. Luoma 494

Indexes

Title Index 497

Author Index 502

Subject Index 506